LEBED', G.G.; ODINTSOV, M.M.; TRUFANOVA, A.P.

Ordovician, Silurian, and Devonian stratigraphy of the Irkutsk amphitheater. Report No.2. Geol. i geofiz. no.3:55-58 '60.

(MIRA 13:9)

1. Vostochno-Sibirakiy geologicheskiy institut Sibirskogo otdeleniya AH SSSR.

(Irkutsk Province—Geology, Stratigraphic)

LEBED!, G. G., CAND TECH SCI, "ANALYSIS OF THE SYSTEM OF ELECTRONIC COLOR CORRECTION." MOSCOW, 1960. (MIN OF HIGHER AND SEC SPEC ED RSFSR, MOSCOW POLYGRAPHIC INST). (KL, 3-61, 217).

227

GAVRILENKO, L.M.; LEBED', G.G.; NAZAROV, D.A.

Modulating the output voltage of photomultipliers. Prib. i tekh.
eksp. 7 no.3:193 My-Je '62. (MIRA 16:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut poligraficheskoy
promyshlennosti. (Photoelectric multipliers)

AUTHOR:

LEBED', G.K.

20-4-6/52

TITLE:

Inequations for Polynomials and Their Derivatives (Neravenstva dlya mnogochlenov i ikh proizvodnykh)
Doklady Akademii Nauk ESSR, 1957, Vol. 117, Nr 4, pp 570-572 (USSR)

PERIODICAL:
ABSTRACT:

Theorem: If the trigonometric polynomial

$$T_n(\theta) = \sum_{k=0}^{n} a_k \cos k\theta + b_k \sin k\theta$$

for all θ satisfies the inequation $|T_n(\theta)| \leq t_n(\theta)$, where $t_n(\theta)$ is a nonnegative function with a continuous r-th derivative $t_n^{(r)}(\theta)$, then we have (r=0,1)

$$\left|T_{n}^{(k)}(\theta)\right| \leq \left(A_{n}\right)^{k} \left[t_{n}(\theta) + k \frac{\omega_{r}(1/n)}{n^{2}}\right] \qquad (n, k=1, 2, \ldots; r=0, 1),$$

where A = const is independent of T_n and k and

$$\omega_{\mathbf{r}}(\mathbf{h}) = \sup_{|\theta_1 - \theta_2| \leq \mathbf{h}} \left| \mathbf{t}_{\mathbf{n}}^{(\mathbf{r})}(\theta_1) - \mathbf{t}_{\mathbf{n}}^{(\mathbf{r})}(\theta_2) \right| , \quad \theta_1, \theta_2 \in [-\pi, \pi].$$

Card 1/4

Inequations for Polynomials and Their Derivatives 20-4-6/52 Definition: $\omega(t)$ satisfies the condition $\mathbf{A}_{\alpha}^{\beta}$ if 1) $\omega(t) > 0$, t > 0, t > 0, 2) $\omega(t_1) \leqslant c \omega(t_2)$ $(0 \leqslant t_1 \leqslant t_2 \frac{2}{n^{\alpha}}, 0 \leqslant \alpha)$; 3) $\frac{\omega(t_2)}{t_2^{\beta}} \leqslant \frac{2}{n^{\alpha}}$ $(0 \leqslant t_1 \leqslant t_2 \leqslant \frac{2}{n^{\alpha}}, 0 \leqslant \beta)$; c = const independent of theorem: If $|T_n(9)| \leqslant \omega(\frac{|\sin \theta|}{n^{\alpha}} + \frac{1}{n^{1+\alpha}})$, $(0 \leqslant \alpha)$, where $\omega(t)$ satisfies the condition $\mathbf{A}_{\alpha}^{\beta}$, then we have $|T_n^{(k)}(\theta)| \leqslant (\mathbf{A}_n)^k \omega(\frac{|\sin \theta|}{n^{\alpha}} + \frac{1}{n^{1+\alpha}}), \quad n, k=1,2,\ldots,$ where $\mathbf{A} = \text{const}$ is independent of $\mathbf{T}_n(\theta)$ and \mathbf{k} . Theorem: If $\omega(t)$ satisfies the condition $\mathbf{A}_{\alpha}^{\beta}$, where $\alpha = 1$, $0 \leqslant \beta \leqslant 1$, then for every polynomial $\mathbf{P}_n(\mathbf{x}) = \sum_{k=0}^{\infty} \mathbf{a}_k \mathbf{x}^k$ and arbitrary Card 2/4 $\mathbf{r}, \mathbf{p}, \mathbf{p}^*$ $(1 \leqslant \mathbf{p} \leqslant \mathbf{p}^* \leqslant \infty)$ there holds the inequation

Inequations for Polynomials and Their Derivatives

$$\left\| \frac{P_{n}(x) \delta^{r-1/p'}(x,n)}{\omega[\delta(x,n)/n]} \right\|_{L_{p'}(a,b)} \leq A\left(\frac{2n}{b-a}\right)^{\frac{1}{p}} - \frac{1}{p'} \left\| \frac{P_{n}(x) \delta^{r-1/p}(x,n)}{\omega[\delta(x,n)/n]} \right\|_{L_{p}(a,b)}$$

where
$$\delta(u,v) = \frac{2\sqrt{(b-u)(u-a)}}{b-a} + \frac{1}{v}$$
; $A = A(r) = \text{const and}$

$$\|\varphi\|_{L_p(a,b)} = (\int_a^b |\varphi(x)|^p dx)^{1/p}.$$

Theorem: If $\omega(t)$ satisfies the assumptions of the preceding

$$\left\|\frac{P_{n}^{(k)} \delta^{k+r}(x,n)}{\omega[\delta(x,n)/n]}\right\|_{L_{p}(a,b)} \leq \left(A \frac{2a}{b-a}\right)^{k} \left\|\frac{P_{n}(x) \delta^{r}(x,n)}{\omega[\delta(x,n)/n]}\right\|_{L_{p}(a,b)}$$

$$n, k=1,2,\dots; 1 \leq p \leq \infty,$$

Card 3/4

Inequations for Polynomials and Their Derivatives

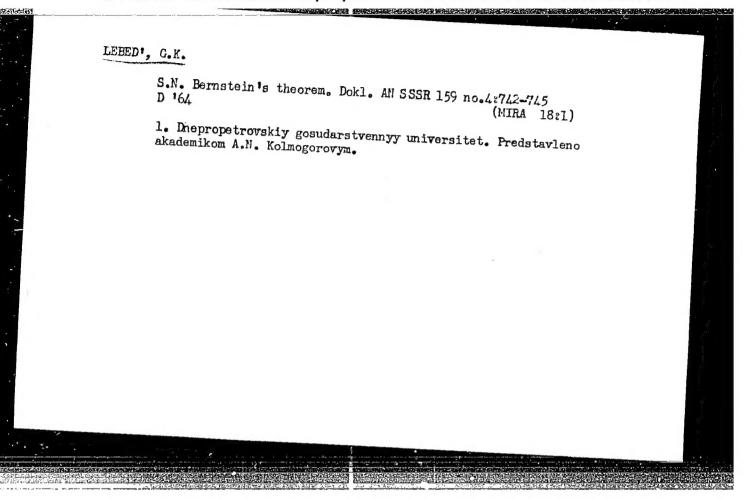
where A = const depends only on r.
5 Soviet and 1 foreign references are quoted.

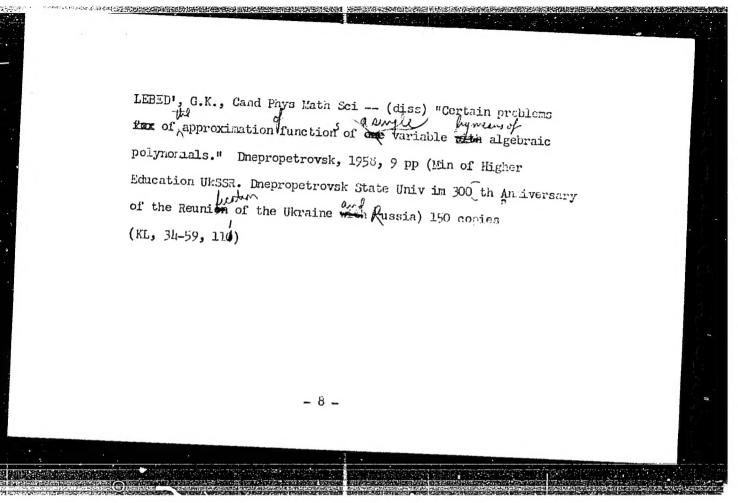
PRESENTED: By M.A. Lavrent Yey Academician, 8 June 1957

SUBMITTED: 29 May 1957

AVAILABLE: Library of Congress

Card 4/4





AUTHOR: Lebed' . G.E. 20-118-2-9/60 TITLE: Some Questions Concerning the Approximation of Functions of one Variable by Algebraic Polynomials (Nekotory voprosy priblizheniya funktsiy odnoy peremennoy algebraicheskimi mno-Doklady Akademii Nauk, 1958, Vol 118, Nr 2, pp 239-242 (USSR) PERIODICAL: ABSTRACT: With the aid of estimations obtained by the author in a preceding publication [Ref 1] he proves 8 theorems on the approximation of continuous functions by algebraic polynomials in the metric $L_p(-1, +1)$, $1 \le p \le \infty$. E.g. If $f^{(m)}(x)$ on [-1,+1] satisfies the condition $|f^{(m)}(x_1) + f^{(m)}(x_2) - 2f^{(m)}(\frac{x_1 + x_2}{2})| \le M |x_1 - x_2|$ then there exists a sequence of polynomials $P_n(x)$, so that $|f(x)-P_n(x)| \le C(m)Mg^m(x,n) \left[g(x,n) + \frac{1u \cdot n}{n^2}\right]$ (n = 1,2...) where it denotes $g(x,t) = \frac{\int 1-x^2}{t} + \frac{1}{1^2}$. Card 1/2

Some Questions Concerning the Approximation of Functions 20-118-2-9/60 of one Variable by Algebraic Polynomials

The first four theorems are direct statements, the last four are inversions of such kind that from the existence of an approximating sequence of polynomials for which the expression

 $\left\| \frac{f(x) - P_n(x)}{\varepsilon^k(x,n)} \right\|_{L_p(-1,+1)}$

satisfies a certain inequality it is concluded that the function f(x) belongs to a certain class of functions. There are 6 Soviet references.

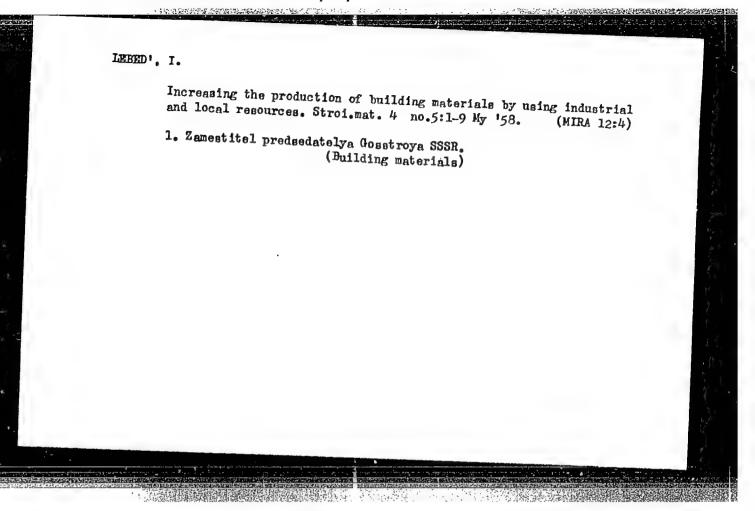
ABSOCIATION: Dnepropetrovskiy gosudarstvennyy universitet imeni 300-letiya vossoyedineniya Ukrainy s Rossiyey (Dnepropetrovsk State University imeni The 300th Anniversary of the Revulon of the Ukraine

PRESENTED: July 5, 1957, by M.A. Lavrent'yer, Academician

SUBMITTED: June 27,1957

AVAILABLE: Library of Congress

Card 2/2



AUTHOR:

Lebed', I. I., Vicepresident of the Gosstroy USSR 72-58-5-2/18

TITLE:

On the Increase of the Output of Building Materials by Making Use of the Reserves of Industry and of Local Resources (Ob uvelichenii proizvodstva stroitel nykh materialov za schet ispol'zovaniya rezervov promyshlennosti i mestnykh re-

。 下述和學者的時期的理解的有關的有關的學者

PERIODICAL:

Steklo i Keramika, 1958,

Nr 5, pr 3-6 (USUR)

ABSTRACT:

From the directions by the 20th Party Congress of the KPSS for the 6th five-year plan it can be seen that an extensive development of the production of building materials and products represented the main problem of discussion. Therefore an increase of the output of concrete, of prefabricated parts, reinforced concrete and wallblocks, of separating walls and installation products, roof materials and sanitary technical installation was provided. In 1957 the USSR produced in total: concrete-almost 29 million tons (51% more than in 1954), prefabricated reinforced concrete constructions and parts.

13 million m3(4,2 times more); wall materials- the equivalent of 30 billion bricks (33 % increase); slate more than the equivalent of 2150 million tiles; (72% increase); dry plaster - 57.8 million m2 (6%) increase. In the last year, in general, 23% more building materials.

Card 1/4

On the Increase of the Output of Building Materials by Making Use of the Reserves of Industry and of Local Resources 72-52-5-2/18

> were produced which figures are still to be increased considerably in the course of the next years, as can be seen from the table of the 7th five-year plan. In order to be able to carry out this great development all possibilitie; of increasing production must be found out and made use of. The approach of the management to the enterprises makes it possible to find out their possibilities and to remove quicker impeding effects on their full development. In the course of the last 3 years only by the intensification of technological processes the output in the sections of concrete, slate and blass has been increased by 30-40% which corr sponds to the product. ion of 5 new factories. But also the following possibilities can be made use of in order to reach a further increase of output:

1. The specific taking of metal per 1 m² of tank furnace surface of 560 kg/pro m² (average of 1957) can be increased to the quantities of the leading factories of from 633-704 kg/m² (the factories Misheronskiy, (Moskovskaya object!), Januarie and Konstantinovka imeni Oktyabriskov revolyvirii) 2. By increasing the addition of soda(instead of the present

170 kg to 220-230 kg, as is done abroad)

Card 2/4

On the Increase of the Output of Building Laterials by Making Use of the Reserves of Industry and of Local Resources 72-58 -5-2/18

> 3. By reducing the production losses. 4. By the accurate regulation of the thickness of window glass (the factories Ashkhabad, Bytosh' Krasnousol'sky, Konstantinovka imeni Oktyabr'skoy revolyutsii and Lisichansk produce a thickness of from 2.1-2.15 nm; the factories Velikiy Oktyabr' (Kalininskaya oblast), Gomel Chagodeshela (Volo edskaya oblast), Anzhero-Suzhensk (Kemerovshaya oblast) produce glass with a thickness if 2.15 - 2.5 mm.

In the ceramics industry the output can still be considerably increased by:

1) Firing without saggers.

2) Reducing the thickness of the tiles. In this respect, there are no difficulties which can not be mastered, but it is only a question of patiently fighting the elements of conservatism and inertia.

3) The supply of the factories with fired kaolin must be

4) Some bottlenecks in the production of sanitary building products must be widened and continuous production must b. applied as far as possible.

Card 3/4

On the Increase of the Output of Building Materials by 72-58-5-2/18 Making Use of the Reserves of Industry and of Local Resources

5) In the production of tiles the method of one single firing must be introduced; this increases output and reduces fuel consumption.

6) The production waste must and can be reduced. (This is an extract from the lecture by the author held on the occasion of the Building Congress).

There is 1 table.

AVAILABLE:

Library of Congress

1. Building industry--USSR 2. Building materials--Production

Card 4/4

18(5) AUTHOR:

Lebed', I.I., Engineer

SOV/128-59-8-4/29

maman.

TITLE:

Progress of Foundry Production at the Gor'kiy Automobile

Plant

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PERIODICAL:

Liteynoye proizvodstvo, 1959, Nr 8, pp 10 - 11 (USSR)

ABSTRACT:

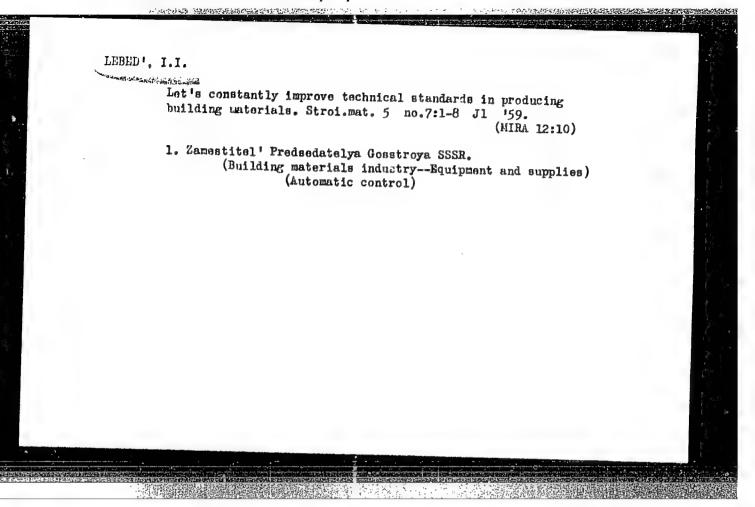
In the article plans for automation of the foundry production at the Gor'kiy automobile plant are presented. At present the foundry department of the plant casts 630 parts from malleable cast iron, 349 irom grey iron, 420 from steel, 259 from zink alloy, 120 from aluminum alloy and 25 from copper alloys. The output of the sandblowing machines is being increased by means of modernization. By the method of precision casting, 20 parts are being produced at present for trucks and 50 for passenger cars, such as "Volga" and "Chayka". Together with NIITAvtoprom (Scientific Research Institute of the Automobile Industry) and Gorkovskiy politekhnicheskiy institut imeni Zhdanova (Polytechnical Institute imeni Zhdanov of Gor'kiy) a new casting method of crankshafts was developed by using casting forms of magnesium cast iron. All the "Volga"

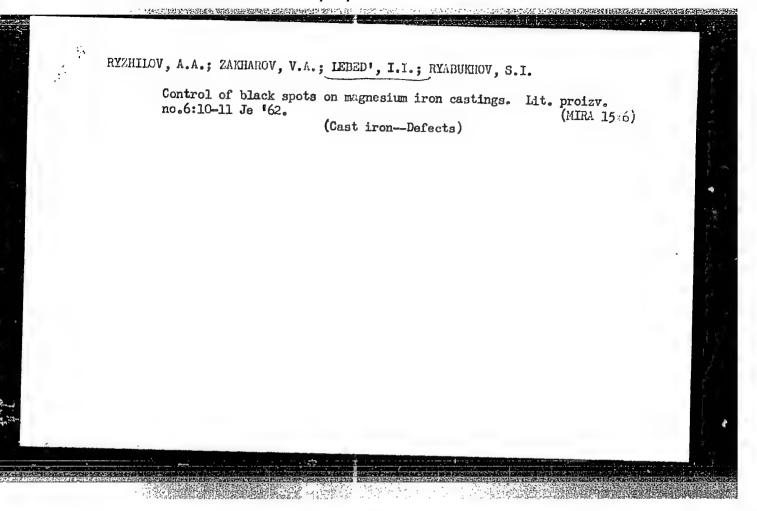
Card 1/2

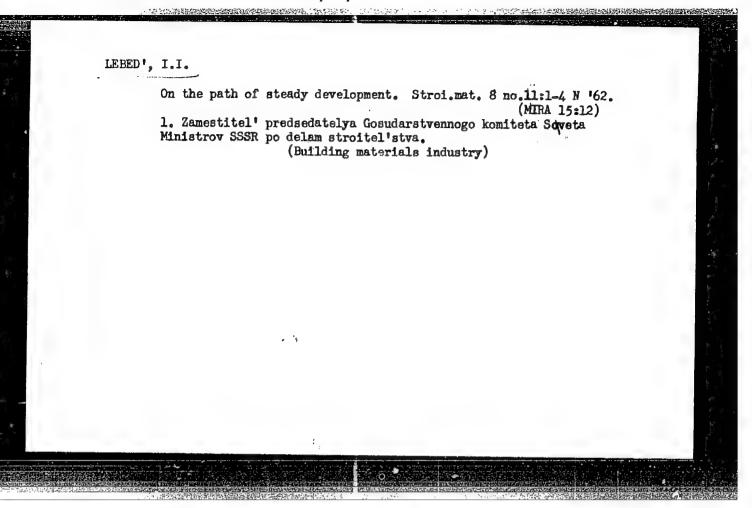
Progress of Foundry Production at the Gor'kiy Automobile Plant

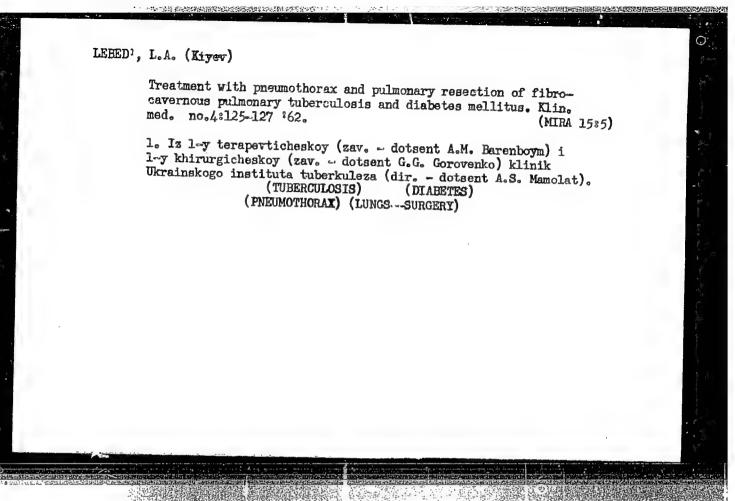
cars are equipped with such a cast crankshaft. The new casting department of non-ferrous metals in Zavolzh'e will be extended. During the Seven Year Plan, mechanization and automation of precision casting, casting under pressure and in vacuum, and of other casting processes will be carried out. In that time the output of components produced by precision casting will reach 2.5 thousand tons a year. At present the Gor'kiy plant, together with the NIITAvtoprom is preparing a automatic line for production of crankshafts for passenger cars and trucks. The scientists and technologists of the plant are working together with the Gor'kiy Polytechnical Institute imeni Zhdanov on the problem of malleable cast iron and will shorten its production process from 50-52 to 34-36 hours. Because of modernization of machines and automation, the technical and economic level of work will increase during the Seven Year Plan to 40 - 60%.

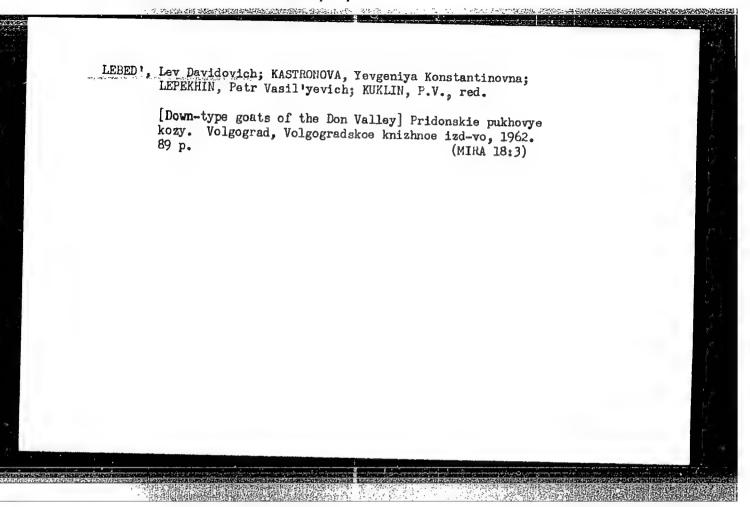
Card 2/2











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CIA-RDP86-00513R000929010006-4

L 24887-65 EWT(m)/EWP(t)/EWP(b) IJP(c) JD

ACCESSION NR: AF5004430

8/0075/65/020/001/0059/0061

AUTHOR: Lebed', N. B.; Pantaler, R. P.

TITIE: Fluorescent determination of traces of gallium in cadmium salts of special purity

SOURCE: Zhurnal analiticheskoy khimii, v. 20, no. 1, 1965, 59-61

TOPIC TAGS: luminescence reaction, rhodomine, cadmium effect, lumogallion, biphthalate buffer

ABSTRACT: A fluorescent method has been developed for the determination down to 1 x 10⁻⁵% of gallium in cadmium salts (sulphide, suplhate and chloride). The determination was carried out from a 0.5 g sample in a biphthalate buffer aqueous solution pH of 2.2-2.7. Up to 1 g of iron, 5 g of copper and 10 g of aluminum do not interfere at a gallium content of 0.05-0.5 g in 10 ml. Orig. art. has: 5 tables.

Card 1/2

L 24887-65

ACCESSION NR: AP5004430

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov, stsintillyatsionnykh materialov i osobo chistykh khimicheskikh veshchestv,Khar'kov (All-Union Scientific-Research Institute of Monocrystals, Scintillating Materials end Specially Fure Chemicals)

SUBMITTED: 26Nov63

ENCL:

SUB CODE: IC, OP

NO REF SOV: 006

OTHER:

	· **
L 29981-65 EMT(m)/EPF(c)/EPR/EMP(j)/EMP(t)/EMP(b) ACCESSION NR: AP5005474 AUTHORS: Lebed', N. B.; Pantaler, R. P. TITLE: Fluorescent determination of aluminum micro cadmium salts	s/0032/65/031/002/0163/0164 39
TOPIC TAGS: fluorescence, cadmium inorganic compour content, aluminum ABSTRACT: A fluorescent method for determining up purity cadmium salts (sulfide, sulfate, chloride) we ties of iron, copper (up to 5·10-4%), and large amount analyzed, and after 30 minutes the fluorescent integrated with a photoelectric device at 530 mu in compartne aluminum content is found from a calibration curof aluminum salt. The method was utilized to analyzed and sulfate. Errors in determining the aluminum dissulfide and 10% in the cadmium sulfate. Card 1/2	nd, cadmium sulfide, impurity 10 % aluminum in high ithout separating microimpuriunts of cadmium is described. he prepared solution to be nsity of the specimen is measurison with a control specimen. rve constructed for solutions the high purity cadmium sulfide

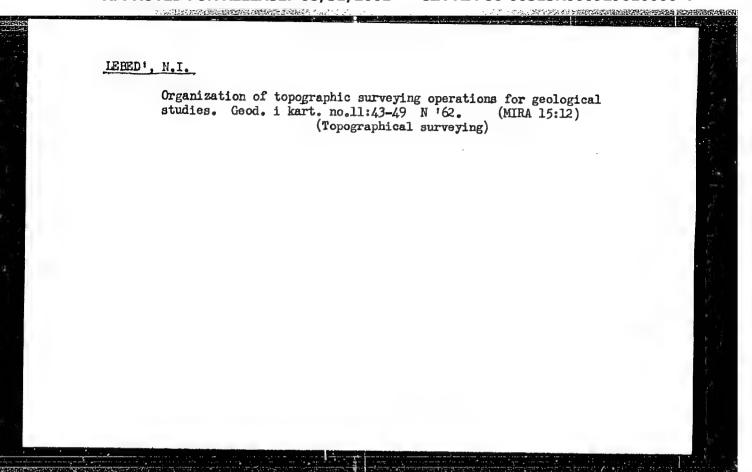
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ACCESS	ACCESSION NR: AP5005474			y 1		
Union	Scientific Res	ruznyy nauchno-issledovate n materialov i osobo chisty nearch Institute of Single nical Substances)				
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LEBED', N. G.

"Algorithmization of Problems of Supply In the National Economy"

presented at the All-Union Conference on Computational Mathematics and Computational Techniques, Moscow, 16-28 November 1961

So: Problemy kibernetiki, Issue 5, 1961, pp 289-294



"APPROVED FOR RELEASE: 08/31/2001 CI

CIA-RDP86-00513R000929010006-4

L 15801-65 EWT(d)/EWT(1)/EEC(k)-2/EEC-4/EEC(c)-2/EED-2/FS(b) Pn-4/Pq-4/ACCESSION NR: AP4048386 S/0006/64/000/010/0015/0017

AUTHOR: Lebed!, N. I.

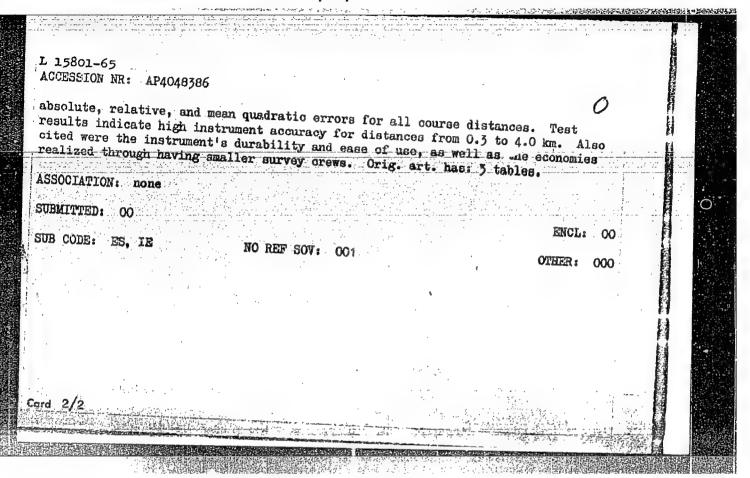
TITLE: Production testing of light telemeter ST-62 18

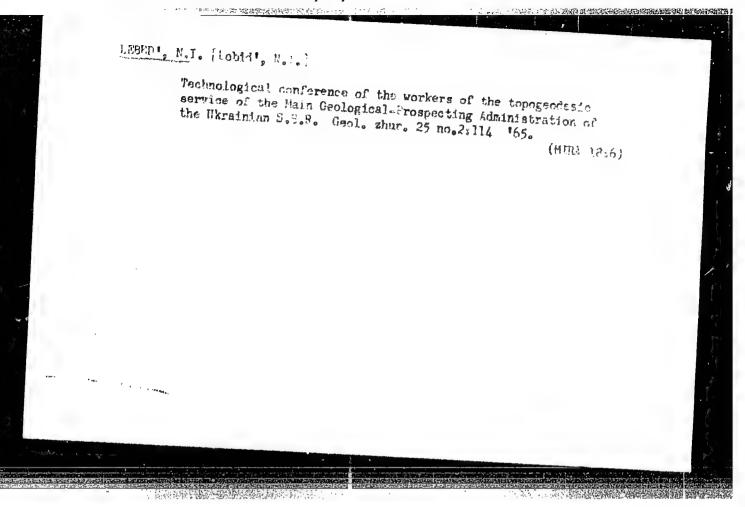
B

SOURCE: Geodeziya i kartografiya, no. 10, 1964, 15-17
TOPIC TAGS: light telemeter, cartography, surveying instrumted

TOPIC TAGS: light telemeter, cartography, surveying instrument/ ST 62 light telemeter, ST 61 light telemeter, SG 2 incandescent lamp, OT 02 theodolite, TB 1

ABSTRACT: The author presents the specifications of the light telemeter ST-52, similar to model ST-61 described by V. D. Bol'shakov, V. S. Mikheyechev, and A. I. Demushkin (Rezul'taty* ispy*taniy topograficheskogo svetodal'nomera ST-61. "Geodeziya i kartografiya" 1962, No. 5), and gives the results of production trials conducted to determine the operating characteristics, accuracy, and productivity of the instrument in varying conditions of operation. A wide variety of climatic and other conditions were included in the tests: rain, fog, wind, high and low temperatures, level and broken terrain, and different intensities of daylight. Trial courses were selected for measurement so as to present a broad range of lengths to be measured by the device. Comparison was made with the same measurements taken by Cord 1/2





STRUMBERT, V. V. AND LEWE, N. K.

"Method of calculation of the distribution of the circulation alera the span of a delta wing.

A new method of calculation is given which enables determining the circulation in a large number of calculated sections of the wing. This increases appreciably the accuracy of the calculations and permits determining reliably the circulation of delta wings with wing flaps and allerons and also the damping properties of delta wings. (Firest published in 1952)

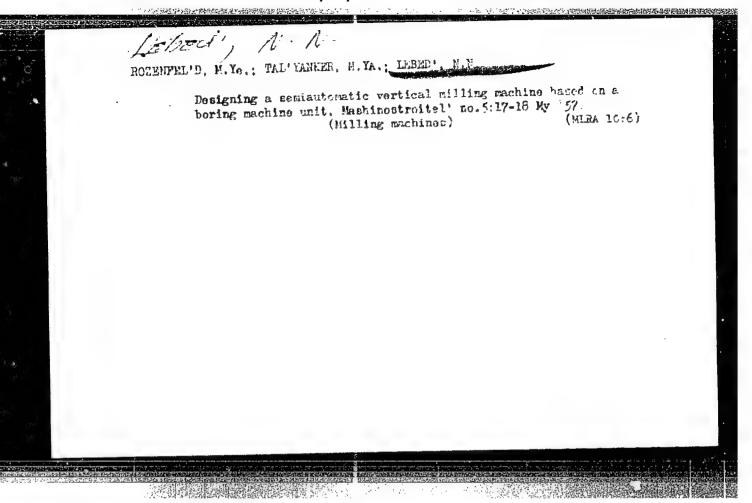
Symposium of Theoretical Work on Aerodynamics, Oborongiz, 1957, 3,000 copies, Central Aero-Mydrodynamics Inst. imeni Prof. N. Ye. Zhukovskiy.

LEBED', N. K.,

"Methods of Calculating the circulation around a sweptback wing in subsonic flow," with STRUMINSKIY, V. V., Collection of Theoretical Papers in Aerodynamics, Moscow, Oborongiz, 1957.

This collection assembles a number of scientific reports, on theoretical aerodynamics, first printed in various publications between 1947 and 1952, and intended for research workers in advanced aerodynamics.

(see so author for statuet)



LEBED', N. S., Candidate of Med Sci (diss) -- "The state of the liver in patients with diseases of the cardiovascular system". Minsk, 1959. 19 pp (Minsk State Med Inst), 200 copies (KL, No 21, 1959, 120)

LEBED', N.S., assistent

Pignent metabolism incardiovascular disease patients. Zdrav. Belor. 5 no.8:18-21 Ag '59. (MIRA 12:10)

1. Kafedra fakul'tetskoy terapii (zaveduyushchiy - akademik AN BSSR B.I.Trusevich) Minskogo meditsinskogo instituta. (BILIRUBIN) (CARDIOVASCUIAR SYSTEM--DISHASES)

LEBED!, N.S., assistent

The Takata-Ara and Weltmann reactions in cardiovascular diseases. Zdrav. Belor. 5 no.1:35-37 Ja 60. (MIRA 13:5)

LEBED', N.S., kand.meditsinskikh nauk

Quantity of fibrinogen and prothrombin in patients with cardiovascular system diseases. Zdrav. Belor. 6 no.6:52-55 Je '60. (MIRA 13:8)

1. Kafedra fakul'tetskoy terapii (zav. kafedroy - akademik AN BSSR B.I. Trusevich) Minskogo meditsinskogo instituta. (FIRINOGEN) (FROTHROMEN) (CARDIOVASCULAR SYSTEM—DISEASES)

Gastrointestinal syndrome in myocardial infarct. Zdrav. Bel. 7
no. 2:51-52 F '61. (MIRA 14:2)

1. Iz fakul'tetskoy terapevticheskoy kliniki Minskogo meditsinskogo instituta (zaveduyushehiy - ekademik Akademii nauk BSSR, zasluzhennyy deyatel' nauki, prof. B.I. Trusevich).

(DIGESTIVE ORGANS) (HEART—INFARCTION)

LEBED', N.S., kand.med.nauk

Blood lipoproteins and protein fractions in hypertension. Zdrav. Bel. 7 no.6:28-32 Je '61. (MIRA 15:2)

1. Iz fakul'tetskoy terapevticheskoy kliniki Minskogo meditsinskogo instituta (zaveduyushchiy kafedroy - akademik AN BSSR B.I.Trusevich).
(BLOOD PROTEINS) (HYPERTENSION)

LEBED', N.S., kand, med, nauk

Functional capacity of the liver and kidneys in rheumatism. Zdrav. Bel. 8 no.7:31-34 Jl 162. (MIRA 15:11)

l. Iz fakul'tetskoy terapevticheskoy kliniki Minskogo meditsinskogo instituta (zav. - akademik AN ESSR, zasluzhennyy deyatel'nauki prof. B.I.Trusevich [deceased]).

(RHEUMATIC HEART DISEASE) (KIDNEYS) (LIVER)

Clinical aspects of camphor embolisms. Zdrav.Bel. 8 no.12:65-66 D '62. (MIRA 16:1)

1. Iz fakul'tetskoy terapevticheskoy kliniki Minskogo meditsin-skogo instituta (zav. kafedroy - akademik AN BSSR B.I.
Trusevich).

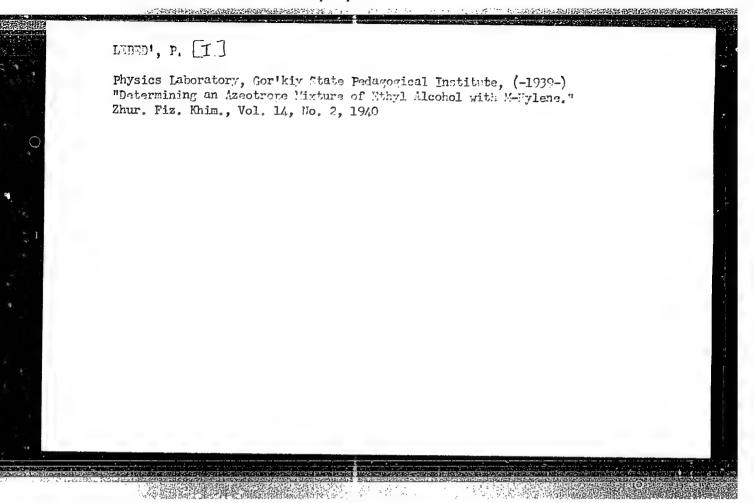
(EMBOLISM) (CAMPHOR—PHYSIOLOGICAL EFFECT)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000929010006-4"

GOLOVICH, M. [Holovych, M.], inzh.; LEBED', O., inzh.; MANYULENKO, G. [Manuilenko, H.], zootekhnik

New farms for raising and fattening cattle. Sil'.bud. 13 no.10:4-5
0 '63. (MIRA 17:3)

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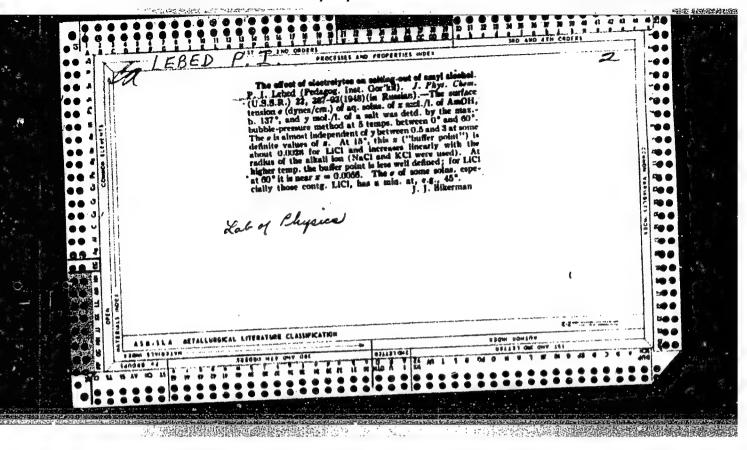
LEBED!, P. I.

Laboratory of Physics, Gor'kiy State University, (-1939-)

"The effect of Electrolytes on the Measurement of Curface Tension of Solution of Eosin G. Dye."

Zhur, Fiz, Khim., Vol. 14, No. 3, 1940

Addn. of 0.017% of Na eosin slightly raises the surface tension of $\rm H_2O$ and slightly lowers that of Na Cl. NaBr, KI or KBr solns. at 20°, 30° and 40°, The method of max. bubble pressure was used.



RADIKOV, D.N., dots.; LEBED', P.I., dots., otv. red.

[Dimensional theory of physical quantities; textbook for students of the physics and mathematics faculty of

pedagogical institutes Teoriia razmernostei fizicheskikh velichin; posobie dlia studentov fiziko-matematicheskogo fakul eta pedinstitutov. Gor'kii, 1962. 14 p. (MIRA 17:10)

1. Gorki. Gosudarstvennyy pedagogicheskiy institut. Ka-fedra obshchey fiziki.

L 35066-65 EWT(m)/EWP(t)/EWP(b) IJP(c) JD/JG

ACCESSION NR: AP5008517

\$/0286/65/000/006/0019/0019

AUTHOR: Rybkin, Yu. F.; Lebed', V. I.; Kresal'naya, L. Z.; Kipriyanova, S. S.; Smirnova, O. M.

TITLE: A method for producing halides of alkali metals. Class 12, No. 169080

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 6, 1965, 19

TOPIC TAGS: alkali halide, alkali metal

ABSTRACT: This Author's Certificate introduces a method for producing halides of alkali metals, e.g. iodides and bromides, from a halogen and a compound which contains a metal. Highly concentrated halide solutions are produced by using an amalgam of the appropriate metal and carrying out the reaction in the halide of this metal.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov (All-Union Scientific Research Institute of Single Crystals)

SUBMITTED: 21Jan63

ENCL: 00

SUB CODE: GC. IC

HO REF SOV: 000

OTHER: 000

Cord 1/1

ACCESSION NR: AP4049603

5/0076/64/638/011/2608/2613

AUTHOR: Lebed', V. I. (Khar'kov), Aleksandrov, V. V. (Khar'kov)

TITLE: Electromotive force and normal potentials of cells without transport at

various temperatures

SOURCE: Zhurnal fizicheskoy khimii, v. 38, no. 11, 1964, 2608-2613

TOPIC TAGS: electromotive force, normal potential, concentration cell, temperature dependence

ABSTRACT: The temperature dependence of the electromotive force of concentration cells without transport has been studied by other authors rather extensively, but not systematically. In the present paper, the normal potentials of the cells Me_xHg MeCl AgCl-Ag (where Me is Li, Na, K, Rb, Cr) were determined in normal solutions of the halides of these metals in the concentration range 0.005 to 0.2, at temperatures of 25, 50, and 90 C. The greatest change in the normal potentials with temperature was found in cells with solutions of Li-salts, particularly in LiCl, and in iodides of other metals. The activity coefficients of the

Card 1/2

ACCESSION NR: AP4049603

alkali metal chlorides at the temperatures investigated were determined. Orig. art. has: 2 figures and 4 tables

ASSOCIATION: Khar'kovskiy gosudarstvenny*y universitet (Khar'kov State

University)

SUBMITTED: 16Sep63

ENCL: 00

SUB CODE: SS, EM

NO REF SOV: 005

OTHER: 017

Card 2/2

Temperature dependence of the thermodynamic characteristic of hydration of ions in some electrolytes. Elektrokhimise 1 no.11:1359-1362 N '65. (MIRA 18:11)

1. Khar'kovskiy gosudarstvennyy universitet.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000929010006-4"

ALEKSANDROV, V.V.; LEBED', V.I.

Temperature relationships of entropies, energies, and geats of hydration of hydrogen chloride, hydrogen bromide, and hydrogen iodide. Zhur. fiz. khim. 39 no.4:942-946 Ap '65.

(MIRA 19:1)

1. Khar'kovskiy gosudarstvennyy universitet imeni Gor'kogo.
Submitted Dec. 14, 1963.

ATANOCKOVIC, D. Dr.; LEBEDA, D. Dr.

The problem of analgetic activity of vitamin K. Lijec.vjes. 77
no.3-4:190-198 Mar-Apr '55.

1. Iz Institut za farmakologiju Medicinskog fakulteta u Skoplju.

(VITAMIN K, anesthesia & analgesia
exper.(Ser))

(ANALGESICS,
vitamin K, exper.(Ser))

LEBEDA, D.; ZAK, M.

Pneumomediastimum (mediastimal emphysema) in children. Cesk. pediat. 14 no.6:520-525 5 June 59.

1. Detake oddeleni OUNX v Opave, prim. dr. Milos Zak. D.L., Opava, Gottwaldova 17.

(PNEUMOMEDIASTINUM, in inf. & child case reports (Gz))

LEBEDA, D.

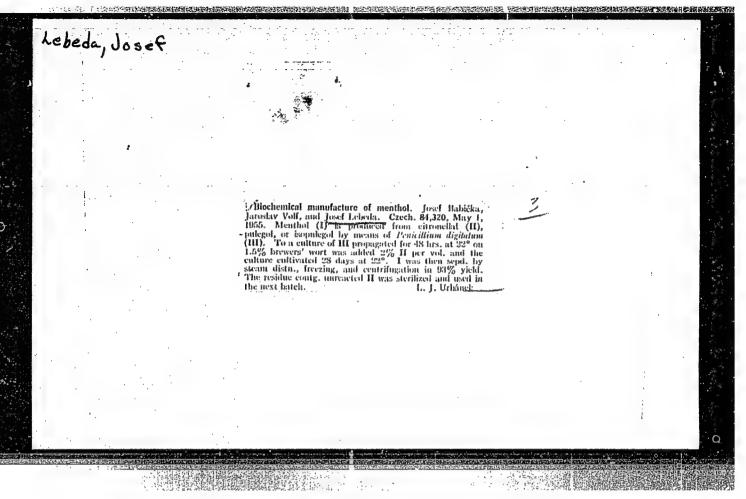
Spontaneous fractures of the ribs "from fatigue" in infants. Cesk.
pediat. 16 no.7/8:667-670 Jl-Ag '61.

1. Detske oddeleni OUNZ v Opave, prednosta MUDr. Dusan Lebeda.

(RIBS fract & disloc)

(FNEUMONIA INTERSTITIAL PLASMA CELL compl)

(INFANT PREMATURE diseases)



LETEDA, J.

"Protecting electric motors."

FLEXTROTECHNIK, Praha, Czechoslovakia, Vol. 1h, No. 6, June 1959,

Monthly List of East European Accessions (E.AI), EC, Vol. 8, No. 7, September 1257. Unclassified.

Use of silon in the Jitax National Enterprise, p. 373, TEXTL.
(Ediniates two lehkeho promyslu) Fraha, Vol. 9, no. 12, Dec. 1954.

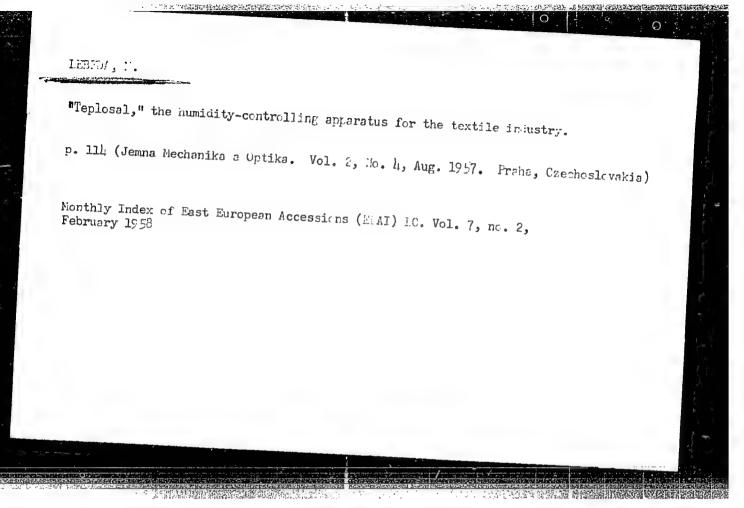
SOURCE: Tast European Accessions List, Vol. 5, no. 9, September 1956

LEBEDA, MILAN

Praktikum z veterinarni pathologicke fysiologie. (Vyd. 1)

Praha, Czechoslovakia, Statni pedagogicke nakl., 1958, 320p.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959. Unclassified.



LEBEDA

CZECHOSLOVAKIA/Atomic and Molecular Physics - Liquids

D-10

Abs Jour : Ref Zhur - Fizika, No 5, 1959, No 10475

Author : Lebeda Mil., Drbal Jan Inst

Title

: Measurement of Surface Tension of Liquids and Use of Porsion Ralances Meopta-K-2 for This Purpose

Orig Pub : Jerma Mach. a opt., 1958, 3, No 8, 261-263, 289

Abstract : No abstract

Card

: 1/1

30

CZECHOSLOVAKIA

BUS, A.; LEBEDA, K.; Chair of Pathological Physiology, Veterinary Faculty, College of Agriculture (Katedra Patologicke Fysiologie Veterinarni Fakulty VSZ), Brno.

"Buffering Capacity of the Blood of Calves at Varying pH."

Prague, Coskoslovenska Fysiologie, Vol 15, No 5, Sep 66, pp 367 - 368

Abstract: The buffering capacity changes with changing pH. Titration of alkaline reserve (AR) was made in 252 samples of calves blood at pH 4.00 - 8.00. A negative correlation exists between the AR values and the pH of the blood. AR values determined at pH = 7.00 are 34.87% higher than the values found at the natural blood pH of 7.45. 1 Western, 1 Czech, 1 Russian reference. Submitted at 3 Days of Physiology of Domestic Animals at Liblice, 9 Dec 65.

1/1

- 89 -

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000929010006-4"

CZ DO LOGLOVA TIA

LEBELA, M.; BUS, A.; Chair of Pathological Physiology, Veterinary Veter name Fak. VSZ), Brno.

"Alkaline Reserve and the pH of the Blood and Plasma of Jalves Fed with Acidophilic Unskimmed Milk."

ir que, <u>Geskoslovenske Fysiolorie</u>, Vol 15, No 5, Sep 66, p 383

Absoract: Experiments were conducted on two groups of 6 calves between the ages of 4 days and 6 conths. No influence of the feed, whether acidophilic or unskinged milk, and sile-ed corn, the alkaline reserve of the blood and that of the plasma, and a correlation between the pH of the blood and that of the plasma, and was found. The pH of the plasma was higher by 0.121 than that of the blood; AR of the blood was 146-152; AR of the plasma, ony of Domestic Anguals at Liblice, 9 Dec 65.

LEBEDA, Milan; HREVUS, Rudolf

Effect of the winter and summer feed ration on the alkaline reserve in the blood of dairy cows. Veter medicina 8 no.5;349-354 0 '63.

1. Institute of Pathological Physiology of the Faculty of Veterinary Medicine of the Higher School of Agriculture, Brno.

CZECHOSLOVAKIA

LEBEDA, Milan, and HREVUS, Rudolf, Institute for Pathological Physiology (Ustav pro patologickou fyziologii), Faculty of Veterinary Medicine (Veterinarni fakulta), VSZ [Vysoka skola zemedelska; Higher School of Agriculture],

"Effect if the Summer and Winter Rations on the Alkali Reserve in the Blood of Milch Cows"

Prague, Veterinarni Medicina, Vol 8(XXXVI), No 5, October 1963, pp 349-354.

Abstract [Authors' German summary, modified]: It was found that the alkali content shows a considerable fluctuation caused changes in fodder and phases of the sexual cycle. The fluctuation was bigger in herds with a larger milk output. The lowest reserves were found in April and May, and during the switch to fresh green fodder and pasture. Compared is the alkali reserve in blood and blood plasma. It is pointed out that the study of the alkali reserve fluctuations may help in determining the composition of fodder.

1/1

17.4100

S/044/62/000/007/049/100 C111/C333

AUTHOR:

Lebeda. St.

TITLE:

The mathematical examination of the results of life expectancy tests on insulating materials and systems

PERIODICAL:

Referativnyy zhurnal, Matematika, no. 7, 1962, 20,

abstract 7V89. ("Bull. VUKI.", 1961, 14, no. 5, 273-287)

TEXT:

The results of a life expectancy test on insulating materials and systems at high temperatures are given and evaluated according to the method of regression analysis. The author concludes from the

results obtained that the relationsship

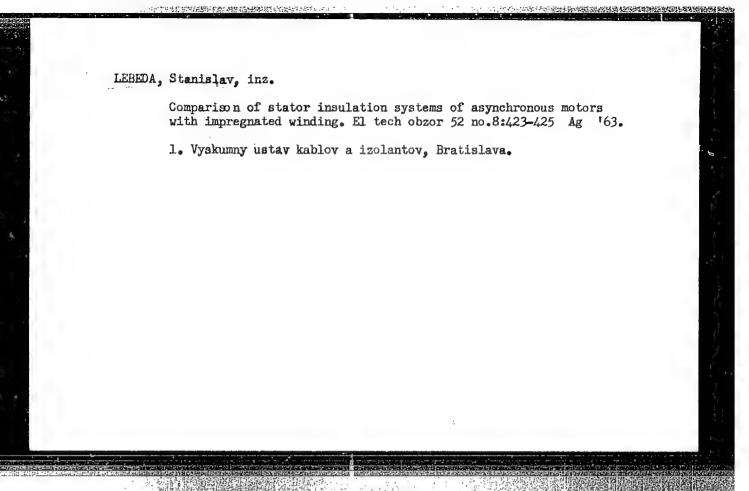
 $y = \lambda e^{T/B}$ holds, where y is the lifetime of the insulating material, A and B are material constants and T is the absolute temperature.

[Abstracter's note: Complete translation.]

Card 1/1

Determining the termal resistance of coated wires. Elektrotechnik
17 no.2:43-45 F '62.

1. Vyckumny ustav kablov a izolantov, Bratislava.

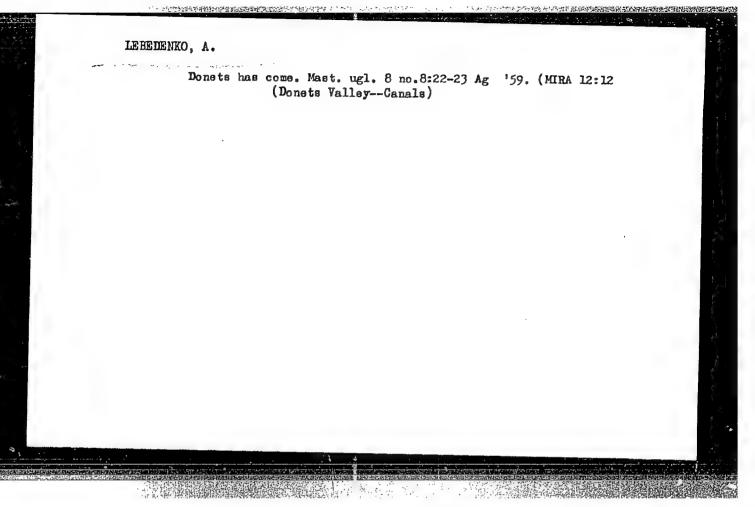


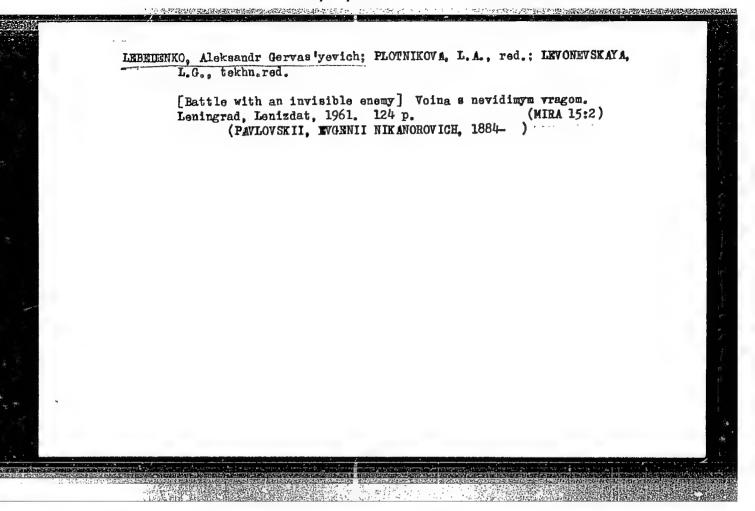
LEBEDA, Vlastimil, dr.

177万亿元。4.1世纪中部世纪时代,然后中世纪中,66年7年

Expanded technical cervices of the Zavody elektrotecelayor, zarizeni National Enterprise in the production and delivery of welding machines and equipment as a gift in commemoration of the twentieth anniversary of liberation. Zvaranie 14 no.2:33-35 F '65.

1. Zavody elektrotepelynych zarizeni National Enterprise, Prague,





BIRKENVAL'), P.V.; BURDIN, M.P.; GORKIN. S.F.; YEGOROV, V.P.; ZARZHETSKIY, V.A.; KOMODOV, A.A.; IAKTIONOV, A.T.; IEBEDENKO, D.P.; LINEVSKIY, A.A.; IABANOV, G.V.; LYAKHOVETSKIY, Z.Ya.; MIHOYEVSKAYA, O.H.; MIKHAYLOV, P.N.; HIKOLAYEV, S.V.; PAKHODEYEV, V.I.; SOKOLOV, G.V.; STRIZHEV, M.I.; SHAPOVALOV, V.A.; YAVKIN, P.Ye.; IVANININ, F.D., redaktor; DROZDOV, A.I., redaktor vypuska; SERGEYEVA, N.A., redaktor izdatel stva; BORISOV, A.S., tekhnicheskiy redaktor

[Handbook of consolidated estimate norms for geological prospecting operations] Sprayochnik ukrupnennykh smetnykh norm na geologo-razvedochnye raboty (SUSN). Moskva, Gos. izd-vo geol. lit-ry. No.7 [Rotary drilling] Rotornoe burenie. 1950. 175 p. (MLRA 9:12) [Microfilm]

1. Russia (1923- U.S.S.R.) Ministerstvo geologii. (Boring)

KHILINSKIY, F.A.; LOTYSHEV, I.P.; LEBEDENKO, G.B.; SHAVKUNOVA, N.D.; DORIZO, A.P.; TERNOVAYA, K.G.; ANTIPOV, A.S., obshchestv. red.; BABAK, Yu.M., tekhn. red.

*** 「ターキサープライにおかけられることをはないないないないないです。

[Goryachiy Klyuch] Goriachii kliuch. Izd.2., ispr. i dop. [By] F.A.Khilinskii i dr. Krasnodarsk, Krasnodarskoe knizhnoe izd-vo, 1963. 84 p. (MIRA 17:2)

1. Glavnyy vrach sanatoriya No.2 Kurorta Goryachiy Klyuch, Kavkaz (for Lebedenko). 2. Sanatoriy No.1 Kurorta Goryachiy Klyuch, Kavkaz (for Shavkuncva, Ternovaya). 3. Zamestitel glavnogo vracha po meditsinskoy chasti sanatoriya No.2 kurorta Goryachiy Klyuch, Kavkaz (for Dorizo).

LEBEDENKO, L.A.

Histochemical data on the effect of gibberellins on apical meristems. Acta bot Hung 9 no.1/2:85-94 163.

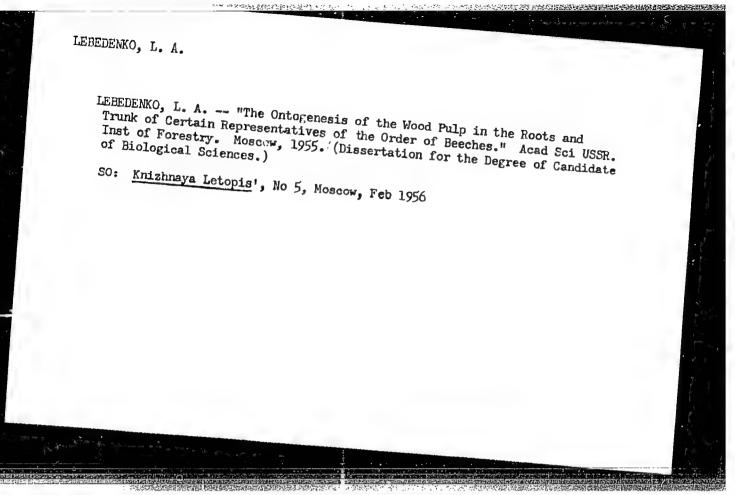
1. Kafedra Anatomii i Fiziologii Rasteniy Leningradskoy Ordena Lenina Lesotekhnicheskoy Akademii im. S.M.Kirova.

LEBEDENKO, L. A.

Oak - Azerbaijan

Growing the holly oak on the Apsheron reninsula. Les. khoz. 5 no. 7, 1952.

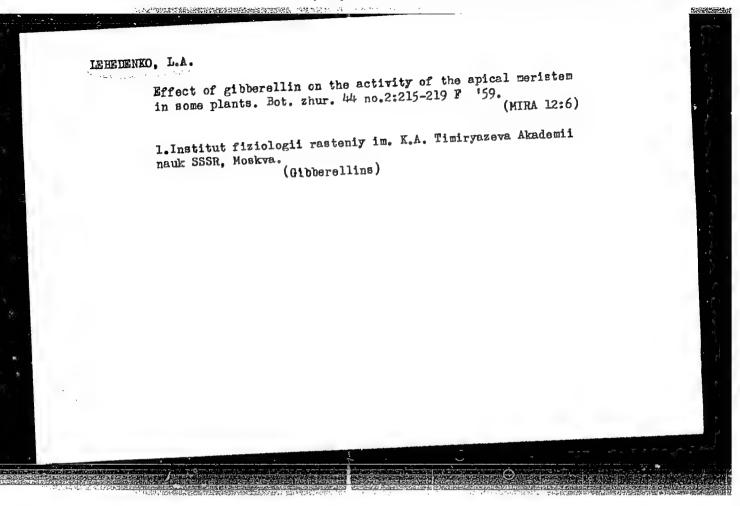
9. <u>Monthly List of Russian Accessions</u>, Library of Congress, <u>September XX953</u>, Unclassified.



Formation of wood in the stem and roots of the oak Quercus macranthers F. et M. Wauch.dokl.vys.shkoly; biol.nauki no.2:126-131 '59.

1. Rekomendovana kafedroy botaniki Leningradskoy lesotekhnicheskoy akademii in. S. M.Kirova.

(Wood--Anatomy) (Oak)



17(1) AUTHOR:	SOV/20-127-1-59/65 Lebedenko, L. A.
TITLE:	The Ontogeny of Root and Stem Wood of Several Representatives of Fagales (Ontogenez drevesiny korney i stvolov nekotorykh predstaviteley bukotsvetnykh)
PERIODICAL:	Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 1, pp 213-210
ABSTRACT:	The facts concerning the complication of the wood structure with increasing age were observed only incidentally. Thus, the with increasing age were observed only incidentally. Thus, the ideas concerning the laws governing the forming of mature ideas concerning the laws governing the forming of mature wood are very superficial. The author tries to fill this gap. Which build up the main wood biocenoses: of the class Fagales which build up the main wood biocenoses: of the class Fagales which build up the main wood biocenoses: Alnus incana, Betula verrucosa, Gorylus avellana, Carpinus caucasica, Fagus orientalis, Castanea sativa and Quercus caucasica, Fagus orientalis, Cast
Card 1/3	first years of campium access of

The Ontogeny of Root and Stem Wood of Several Representatives of Fagales

SOV/20-127-1-59/65

structure from that formed in later years. The ontogenesis of the root- and stem wood does not proceed alike. Young roots and the stem have many traits in common in this respect. Thus all differences between the young roots and the stem of the oak (querous) and the edible chestnut (Castanea) are caused by the lacking of ladder-shaped perforations. (Lestnichnyye perforation). They always occur in the young stem. Furthermore, the wood parenchym is in the root greater than in the stem with respect to the volume. In hazelnut (Gorylus), alder (Alnus) and hornbeam (arpinus) differences exist between root and stem only in the width of medullary rays. In the red beech (Fagus) the rays are of equal width here and there. In the young roots of the red beech and the alder there are reticular perforations which lack in the stem. In chestnut and oak the similarity remains for 6-7 years in others (e.g. alder) it occurs only in the first 2-3 annual rings. The differences increase with rising age. In trees which have ladder-shaped perforations (birch - Betula, alder, hazelnut), the number of shoots in the perforation is always greater in young wood. The development of the wood structure characteristic of the species in question progresses

Card 2/3

The Ontogeny of Root and Stem Wood of Several Representatives of Fagales

SOV/20-127-1-59/65

differently in the different tree species. As a rule, the wood formation takes place more slowly in species with a highly organized wood. All stages of the ontogenesis of wood which is characteristic of the species in question are completely distinct only in the young plant (in the first few annual rings of the lower stem). Individual ontogenesis stages lack in the timber formed by the older meristem. The rules governing the ontogenesis are the following: acceleration of the formation of ripe wood and changes in the character of the deposited wood. They concern the root as well as the stem to the same extent. There are 9 Soviet references.

ASSOCIATION:

Institut lesa Akademii nauk SSSR (Forestry Institute of the

Academy of Sciences, USSR)

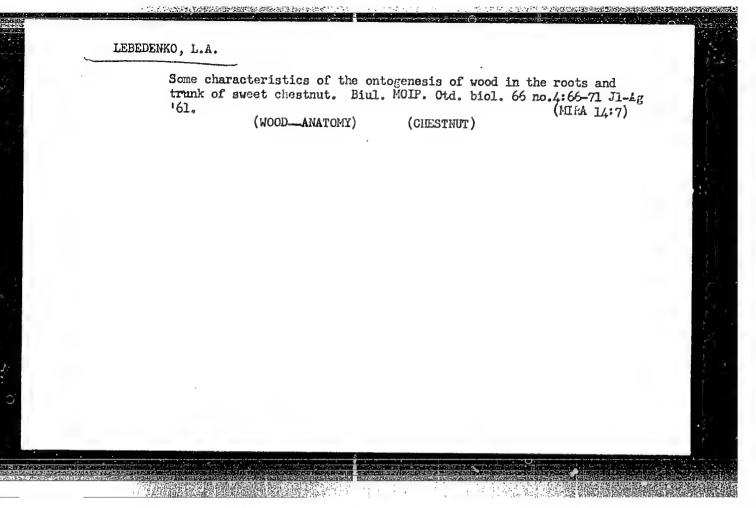
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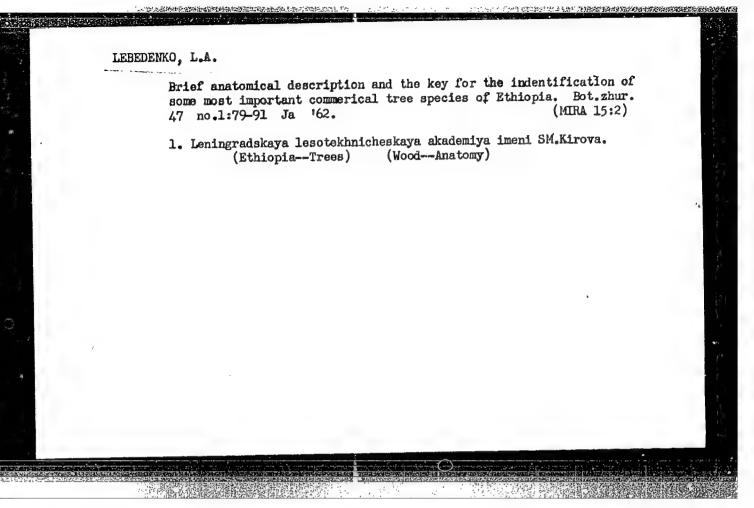
January 26, 1959, by V. N. Sukachev, Academician

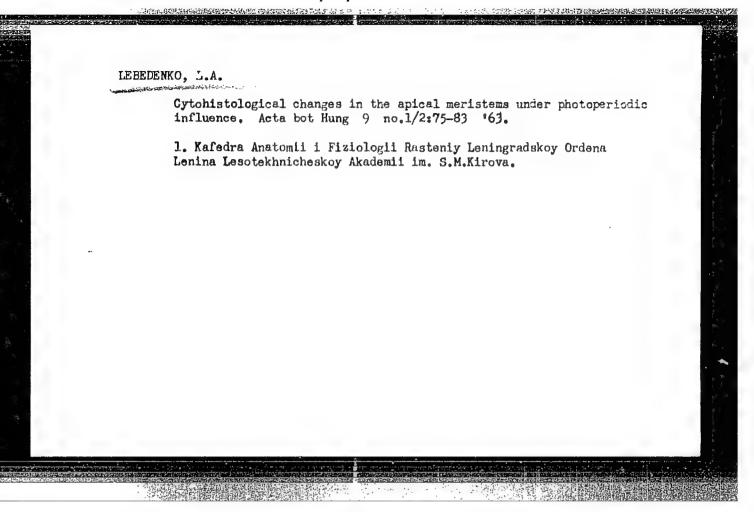
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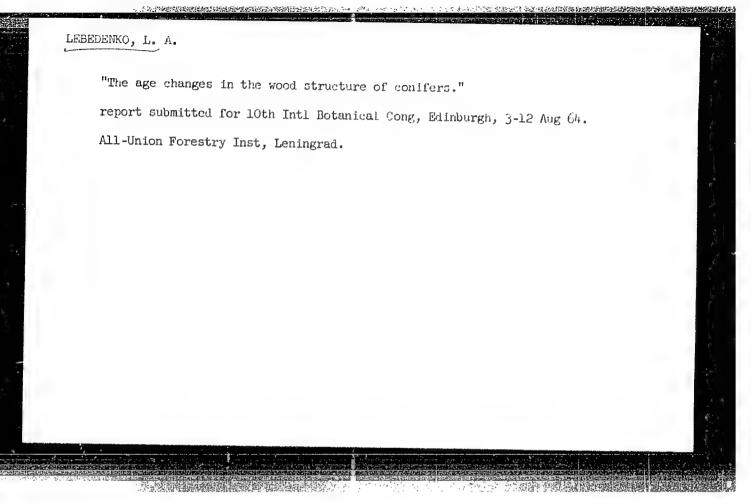
January 24, 1959

Card 3/3









LLBLUL SUBJECT: USSR/Joint Nuclear Research Institute **25-**5-2/35 Lebedenko, M.M. AUTHOR: When Scientists of the Whole World (Kogda uchenyye vsego TITLE: mira) Nauka i Zhizn' - May 1957, No 5, pp 3-6 (USSR) PERIODICAL: In 1956 the authorized representatives of the socialist ABSTRACT: countries came together in Moscow with the intention to establish a Joint Nuclear Research Institute. Prof D. I. Blokhintsev was elected director. The institute was established at Dubno, a city near Moscow. Its main objective was to help in utilizing atomic energy for peaceful purposes, based on international co-operation of all scientists and to train young scientists from member countries. The two largest scientific research establishments of the USSR Academy of Sciences that already existed at Dubno, the Institute for Nuclear Problems and the Electro-Physical Laboratory, were turned over to the Joint Muclear Research Institute by the Soviet government. They are now run under the name of Laboratory for Nuclear Problems and Laboratory for High Energy Physics to which two more labs were added, one for theoretical Card 1/2

TITLE:

When Scientists of the Whole World.....(Kogda uchenyyevsego mira)

25-5-2/35

physics, the other for neutron physics. Thus the institute was able to start right away with scientific research work.

As many foreign countries are invited to co-operate with the institute, numerous scientists have already come to Dubno to exchange information and to deliver lectures.

This article contains four photos.

ASSOCIATION:

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Card 2/2

LebedenKe, M.M.

AUTHOR:

Lebedenko, M.M.

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25-7-20/51

TITLE:

At the Conference in Dubno (Na konferentsii v Dubne)

PERIODICAL:

Nauka i Zhizn', 1957, # 7, p 25 (USSR)

ABSTRACT:

The scientific council of the Joint Institute of Nuclear Research had its second session in May 1957, to discuss research work performed during the first months that had elapsed since the foundation of the Institute. The member-correspondent of the USSR Academy of Sciences, V.I. Veksler, told the audience of the immense difficulties that had to be overcome before the new synchrophasotron could be put into operation. For example 10,000 magnetic measurements had to be performed to achieve precise correction of the magnetic field of the gigantic ringshaped chamber of the accelerator. On 18 April 1957, the calculated proton energy - ten billion electron volts - was reached, the highest amount of energy ever achieved in the history of experimental physics. Professor D.I. Blokhintsev, the director of the Institute reported on the various objects under construction and on those projected for the near future, as for example a plant for experimental equipment, a new reactor, a radio-chemical laboratory, and an accelerator of

Card 1/2

At the Conference in Dubno

25-7-20/51

multiple-charged ions. According to member-correspondent G.N. Flerov this accelerator will enable to discover new elements still unknown to science, whose names are still missing in Mendeleyev's periodic system.

The article contains one photo.

AVAILABLE:

Library of Congress

Card 2/2

LEBEDENKO, M.

AUTHOR:

Lebedenko, M.

89-1-24/29

TITLE:

Jubilee of the Czech Technical College (Yubiley Cheshskoy

vysskey tekhnicheskoy shkoly)

PERIODICAL:

Atomnaya Energiya, 1958, Vol. 4, Nr 1, pp. 105-106 (USSR)

ABSTRACT:

150 scientists from 23 countries assembled at Prague in 1957 in order to celebrate the 250 anniversary of the founding of Europe's

oldest technical high school.

The two scientists Blokhintsev (USSR) and Roshke (Switzerland) were awarded an honorary doctor's degree. Both delivered particularly interesting lectures. The participants in the jubilee cele- _:i brations also visited a number of scientific institutes and in-

dustrial plants.

The institute for Nuclear Physics was thoroughly inspected, in which a reactor and an accelerator are already in operation, and where fully up-to-date physical and radiochemical laboratories

exist. There are 2 figures.

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Library of Congress

Card 1/1

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R000929010006-4

SOV/89-5-2-18/36 Lebedenko, M. AUTHOR: The 4. Conference of the Scientific Council of the Joint TITLE: Institute of Nuclear Research (Chetvertaya sessiya uchenogo soveta Ob" yedinennogo instituta yadernykh issledovaniy) Atomnaya energiya, 1958, Vol. 5, Nr 2, pp. 186-187 (USSR) PERIODICAL: The conference mentioned in the title was held at Dubna and lasted from May 20 to May 24, 1958. It was attended by the following professors: Petrik Pilik, Albania (Albaniya), ABSTRACT: Georgiy Nadzhakov, Bulgaria (Bolgariya), Gurtav Hertz, German Democratic Republic (GDR), Wang Kang-ch'ang, Hu-Ning, Thina (Kitay), Kim Khen Bon, Korea (Koreya), Sodnom Namerayn, Mongolia (Mongoliya), Infeld, Poland (Pol'sha), Horia Hulubei, Rumania (Rumyniya), Čestmir Šimane, CSR (Chekhoslovakiya). The Laboratoriya vysokikh energiy (High Energies Laboratory) delivered a report on the putting into operation of the 10 BeV synchrophasotron. The improvement of the 680 MeV phasotron, Laboratoriya yadernykh problem (Laboratory of Nuclear Problems) makes it possible to accelerate deuterons within a short time. The theoretical Card 1/2

The 4. Conference of the Scientific Council of the United Institute of Nuclear Research SOV/89-5-2-18/36

paper concerning a new method in the theory of superconductivity by N. N. Bogolyubov, Academician, was awarded the Lenin Prize. In the Laboratoriya teoreticheskoy fiziki (Laboratory of Theoretical Physics) an electronic computation center is being established. The following electronic computers were installed: "Ural" and "Kiyev".

Professor G. Richter (German Democratic Republic) told about a special laboratory in which photoemulsions for nuclear investigations are being developed and tested. This laboratory will work in close cooperation with the OIYaI.

Deputy-manager of the OIYaI Professor V. Yu. Votruba and Professor M. Ya. Danysh spoke about the work carried out by foreign scientists at the OIYaI and about the international relations of the Institute.

A resolution was passed concerning all problems on the agenda, which laid down the rules for the further scientific development of the Institute.

Card 2/2

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R000929010006-4

SOV /89-7-3-23/29

21(10) AUTHOR:

Lebedenko, M.

TITLE:

Sixth Session of the Scientific Council of the Joint Institute

of Nuclear Research

PERIODICAL:

Atomnaya energiya, 1959, Vol 7, Nr 3, p 285 (USSR)

ABSTRACT:

The sixth session of the Institute mentioned in the title took place at Dubna from May 27 to June 2, 1959. It was attended by the leading scientists of 12 Socialist countries. The following were the heads of the delegations present: Petrik Pilik (Albania), Georgiy Nadzhakov (Bulgaria), Alibert

Konya (Hungary), Le Van Tkhiyem (North Vietnam), Heinz Barwich (German Democratic Republic), Tszan' Sai' Tszyan (Chinese People's Republic), Kim Khen Bon (South Vietnam), Sodnom Namsrayn (Mongolian People's Republic), Andrey Soltan (Poland), Horia Hulubei (Romania), Cestmir Simane

(Poland), Horia Hulubei (Romania), Cestmir Simane (Czechoslovakia), V. I. Veksler, N. N. Bogolyubov, and V. P. Dzhelepov (USSR). Director D. I. Blokhintsev, Vice-director Van Gan-Chan and E. Dzhakov alternated in the chair. Blokhintsev reported on the scientific work performed, the results of which were partly published in Geneva and partly

 $C_{\rm B}rd 1/2$

in Kiyev. Wang Kang-changgave a report on the development of

CIA-RDP86-00513R000929010006-4

SOV/89-7-3-23/29 Sixth Session of the Scientific Council of the Joint Institute of Nuclear Research

international relations. The following of the lectures delivered deserve special mention: Activation of the proton-synchrotron with Kang-Charge I. V. Chuvilo. New decay phenomena of the momentum particle (Laboratoriya yadernykh problem - Laboratory for Nuclear Problems). At the meeting, the introduction of day-and-night operation of the proton-synchrotron was especially welcomed. Also the construction of the new accelerator with spatial variation of the magnetic field was stressed. There is 1 Soviet reference.

Card 2/2

BIRYUKOV, V.A.; LEBEDEUKO, M.M.; RYZHOV, A.M.; BLOKHINTSEV, D.I., nauchnyy red.

[Joint Institute for Nuclear Studies] Obwedinennyi institut iadernykh issledovanii. Moskva, Izd-vo Glav.upr. po ispol'so-vaniiu atomnoi energii pri Sovete Ministrov SSSR, 1960. 114 p.
(MIRA 13:12)

1. Chlen-korrespondent AW SSSR (for Blokhintsev).
(Dubna--Nuclear research)

0.0000

78334 SOV/89-8-3-19/32

AUTHOR:

Lebedenko, M.

TITLE:

Seventh Session of Scientific Council of the United

Institute for Nuclear Research

PERIODICAL:

Atomnaya energiya, 1960, Vol 8, Nr 3, pp 266-267 (USSR)

ABSTRACT:

Leading physicists from 12 countries, which formed the Institute, including the USSR, Albania, Bulgaria, Hungary, Poland, Romania, East Germany, China, and Vietnam, took part in the session held in Dubna November 21-25, 1959. D. I. Blokhintsev, director of the Institute, and a corresponding member of the Acad. Sci. of the USSR, Prof. V. A. Petukhov, vice director of the Laboratory for High Energy (Laboratoriya vysokikh energiy), Dr. V. P. Dzhelepov, head of the Laboratory for Nuclear Problems (Laboratoriya yadernykh problem), I. M. Frank, director of the Laboratory for Neutron Physics (Laboratoriya neytronnoy fiziki) and a

Physics (Laboratoriya neytronnoy fiziki) and a corresponding member of the Acad. Sci. of the USSR, G. N. Flerov, director of the Laboratory of Nuclear

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Seventh Session of Scientific Council of the United Institute for Nuclear Research

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Reactions (Laboratoriya yadernykh reaktsiy) and a corresponding member of the Acad. Sci. of the USSR, academician N. N. Bogolyubov of the Laboratory for Theoretical Physics (Laboratoriya teoreticheskoy fiziki), Emil Dzhakov, vice director of the Institute, and a member of the Acad. Sci. of Bulgariya, and Prof. Wang Kang-Chang (China), vice director of the Institute, reported on the activities of their respective organizations. The session decided to double the staff of the Institute, expand automatic processing of experimental data, and broaden the Institute's activities within the participant countries and in the rest of the world.

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AUTHOR:

Lebedenko, M.

TITLE:

Conference of the Representatives of 12 Governments

PERIODICAL:

Atomnaya energiya, 1960, Vol 8, Nr 3,

pp 267-268 USSR)

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ABSTRACT:

The Committee of the Accredited Representatives of 12 member nations of the United Institute for Nuclear Studies (Ob'yedinennyy Institute yadernykh issledovaniy), the highest body of the Institute, convened in Dubna on November 26-28, 1959, under the chairmanship of Professor Sodnom of Mongolia. Professor D. I. Blokhintsev, director of the Institute, and V. N. Sergiyenko, executive director, reported on the activities of the Institute. The Committee adopted a resolution praising highly the accomplished results, approved the budget, staff schedule and plan for 1960,

and amended the by-laws of the Institute.

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AUTHOR:

Lebedenko, M.M. (Moscow)

TITLE:

Successful Cooperation Between Physicists of the Socialist Countries

PERIODICAL: Priroda, 1960, No. 11, p. 68

TEXT: In May 1960, the Uchenyy sovet Ob'yedinennogo instituta yadernykh issledovaniy (Learned Council of the Joint Institute for Nuclear Research) held its 8th session. The Director of the Institute, Professor D.I. Blokhintsev, reported on the Institute's new 5-year plan. Main research will be devoted, as before, to the structure of nuclear particles, especially nucleons, and the laws of their origin and interaction. The Vice Director Professor Wang Kang-chang reported on the Institute's work in cooperation with institutes in other communist countries. V.B.A. Makhnev, representing the Gosudarstvennyy komitet po ispol'zovaniyu atomnoy energii pri Sovete ministrov SSSR (State Committee on the Use of Nuclear Energy at the Council of Ministers of the USSR), spoke of the plan for all-round cooperation in the peaceful use of nuclear energy. Academician V.I. Veksler discussed the work of the Laboratoriya vysokikh energiy (High Energies Laboratory) on the structure of nucleons. Synchrophasotron study of various types of collisions of high-energy particles had shown that, after collision,

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Successful Cooperation Between Physicists of the Socialist Countries

the nucleons continue along the same track they had held before collision and were not, as had been supposed, deflected from their course. Professor D.I. Blokhintsev gave a theoretical interpretation of this phenomenon. Professor Wang Kang-chang reported on phenomena connected with the discovery of the antisygma-hyperon and gave some data on the cascade hyperon, the heaviest of the hyperons detected so far. V.A. Petukhov reported on the ring phasotron recently put into operation at the Institute. The new phasotron will help solve problems of quantum electrodynamics, insoluble with the previous types of accelerator. The system of acceleration may enable scientists to analyse the build-up of accelerated particles in the machine. In turn, this may make possible controlled head-on collisions between beams of accelerated particles. With beams accelerated up to 20 Bev this would make possible tests which, with a single beam, would otherwise only be possible at accelerations in the order of a million million electron volts. Professor V.P. Dzhelepov reported on research at NAM (LYaP) and especially on the unique research into the magnetic properties of mesoatoms, conducted under the guidance of A.Ye.Ignatenko. The research team has devised means of studying the properties of w-mesons, nuclei and the electron envelopes of atoms which go to make up a mesoatom, despite the fact that the latter's life is reckoned in millionths of a second. Card 2/2